



TP-LINK®



ADSL2/2+ MODEM WITH 54M WIRELESS ROUTER

latest ADSL standards
for superior performance

high-speed DSL connection
and share the Internet

Connect multiple computers and
share files - wired or wirelessly



3-IN-1 DEVICE

The TP-Link ADSL2/2+ Modem with 54M Wireless Router (TD-W8910G) is a 3-in-1 device that combines the function of a high-speed DSL modem, eXtended Range™ wireless G access point, and 4-port Ethernet router. The TD-W8910G supports the latest ADSL2/2+ standards to provide higher performance (up to 24Mbps downstream and 1Mbps upstream) and longer reach from your Internet Service Provider's (ISP) Digital Subscriber Line Access Multiplexer (DSLAM).

ACCESS HIGH-SPEED INTERNET

Unlike a dial-up Internet service, a DSL Internet connection is always on so that you do not have to wait to access the Web. This device also supports TR-069, which automatically updates the firmware and other settings when they become available from your ISP.

CONNECT NETWORKING DEVICES – WIRED OR WIRELESS

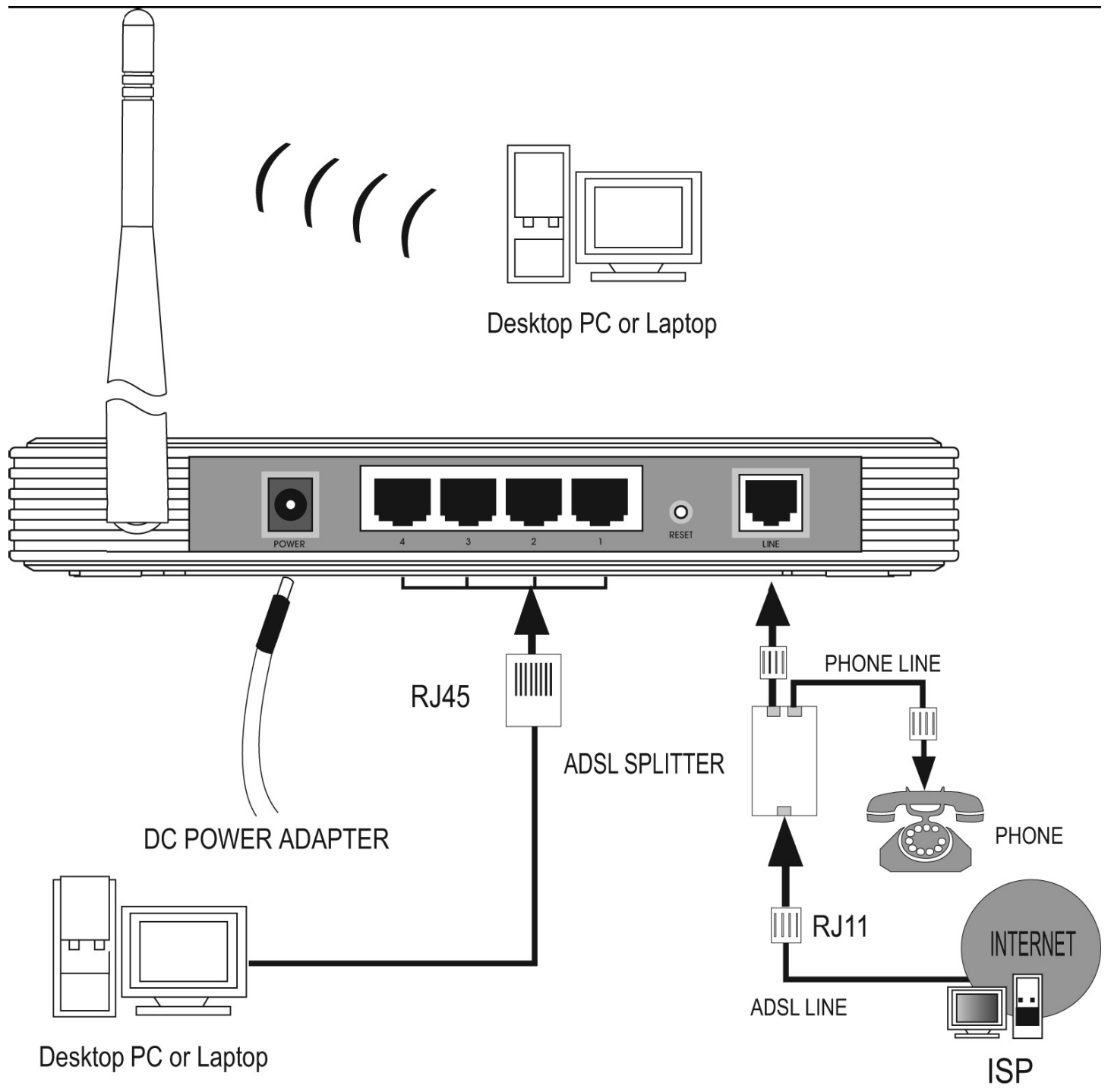
With the TD-W8910G, you can create a wireless network to connect 802.11g/802.11b devices as well as a wired network to connect up to four 10/100 Ethernet devices. Share your high-speed DSL Internet connection, photos, music, videos, printers, and Network Attached Storage (NAS) with multiple users. The TD-W8910G includes a built-in QoS engine that helps prioritize Internet traffic to enable smooth Internet phone calls (VoIP) and lag-free online gaming. In addition, this device includes Dual Active Firewalls (built-in firewall and NAT) to help protect your network from potential attacks from across the Internet. To prevent unauthorized wireless access into your network, the TD-W8910G supports the latest encryption including WEP, WPA, and WPA2.

Whether it is for a home user who wants to share high-speed Internet access or for a small office that needs Internet access for conducting essential business activities, the ADSL2/2+ Modem with 54M Wireless Router (TD-W8910G) is the ideal all-in-one broadband and wireless networking solution.

WHAT THIS PRODUCT DOES

The TP-Link ADSL2/2+ Modem with 54M Wireless Router (TD-W8910G) combines the function of a high-speed DSL modem, eXtended Range™ wireless G access point, and 4-port router. With automatic scanning and detection of your DSL settings, the TD-W8910G quickly sets up your Internet connection. Easily create a secure wireless network and share a high-speed Internet connection while allowing access to shared files, music, photos, and printers with multiple computers.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

Specifications of TD-W8910G

| subitem | DESCRIPTION | SPECIFICATIONS |
|--------------------------------|-------------|----------------|
| PHYSICAL SPECIFICATIONS | | |

| | | |
|-----|--------------------------|---------------------------------------|
| 1.1 | WAN interface | 1 RJ11 port |
| 1.2 | LAN interface | 4 ethernet port, support 802.3,802.3u |
| 1.3 | Status indicators | Power,System,ADSL,WLAN,LAN1~4 |

ELECTRICAL SPECIFICATIONS

| | | |
|-----|--------------------------|-------------|
| 2.1 | Output voltage | 12VDC, 1.0A |
| 2.2 | Power consumption | 10W |

ENVIRONMENT SPECIFICATIONS

| | | |
|-----|------------------------------|-----------------------------|
| 3.1 | Operating temperature | 0°C~40°C |
| 3.2 | Storage temperature | -40°C~70°C |
| 3.3 | Relative humidity | 10% ~ 90%, non condensation |

ADSL SPECIFICATIONS

| | | |
|-----|------------------------------|---|
| 4.1 | Modulation | T1.143 I2,G. 992.1 (G.dmt),G.992.2 (G.lite),G.992.3(G.dmt.bis), G.992.5. Support Annex A/B/C/L |
| 4.2 | Data velocity | Max downstream velocity 24Mbps(with ADSL2+ enabled), Max upstream velocity 1Mbps |
| 4.3 | Transferring distance | Max 6 kilometers |
| 4.4 | Negociation process | for speed, bandwidth and latency, synchronicity and ADSL activation based on ITU-T G.994.1 (G.hs) |
| 4.5 | Interoperability | Interoperability with DSLAM equipment that uses G. 992.1 (G.DMT), G.992.2 (G.Lite), G.992.3(G.dmt.bis), G.992.5 and G.994.1(G.hs) |

ATM SPECIFICATIONS

| | | |
|-------|------------------------------|--|
| 5.1.1 | Protocolos ATM | ATM Forum UNI 3.1 |
| 5.1.2 | | ATM Adaptation Layer Type 5-AAL5 |
| 5.1.3 | | ATM Adaptation Layer Type 0-AAL0 |
| 5.1.4 | | Multiprotocol encapsulation over ATM (RFC 1483) (bridge&router modes) |
| 5.2.1 | Service Clases of ATM | Unspecified Bit Rate (UBR) |
| 5.2.2 | | Constant Bit Rate (CBR) |
| 5.2.3 | | Variable Bit Rate with real time(VBR-rt) |
| 5.2.4 | | Variable Bit Rate without real time(VBR-nrt) |
| 5.3 | Virtual Circuits | 8PVC |

Switching SPECIFICATIONS

| | | |
|-----|--------------------------------|---------------------------------|
| 6.1 | Quality of Service(QOS) | IP Type of service(ToS), 802.1p |
| 6.2 | IGMP | IGMP snooping,IGMP multicast |

MANAGEMENT SPECIFICATIONS

| | | |
|-------|---|--|
| 7.1.1 | Administrative tools | Backup settings |
| 7.1.2 | | Update settings |
| 7.1.3 | | restore factory default settings |
| 7.1.4 | | LAN configuration |
| 7.1.5 | | ADSL configuration |
| 7.1.6 | | ATM parameters configuration |
| 7.1.7 | | Access control |
| 7.1.8 | | Remote administration configuration |
| 7.1.9 | | Autodiagnosics |
| 7.2.1 | Diagnostic Tools | LAN connectivity |
| 7.2.2 | | CPE Sincronization |
| 7.2.3 | | ATM conectivity |
| 7.2.4 | | PPP conectivity |
| 7.2.5 | | IP conectivity |
| 7.2.6 | | PACKET Internetwork Groper (PING) |
| 7.3 | Access control | Services, IP address, Password |
| 7.4 | IP aliasing | local users can access the device through two IPs |
| 7.5 | Management Interface | HTTP |
| 7.6 | Compatibility with management agents | CPE WAN Management Protocol (TR69) |
| 7.7 | Remote administration | Remotely administrable by HTTP |
| 7.8 | Software upgrade | Administration and operation software (firmware) upgradable locally by web |
| 7.9 | Authentication | Auto,PAP,CHAP,MS-CHAP |
| 7.10 | Security management | IP filterling, MAC filtering, Parental control |

ROUTING SPECIFICATIONS

| | | |
|-------|--------------------------|--|
| 8.1.1 | Protocolos PPP | PPP over ATM (RFC 2364) |
| 8.1.2 | | PPP over Ethernet (RFC 2516) |
| 8.2.1 | Routing protocols | Clasical IP over ATM (RFC 1577/2225) |
| 8.2.2 | | Routing Information Protocol- RIP Versión 1(RFC 1058) |
| 8.2.3 | | Routing Information Protocol -RIP Versión 2 (RFC 1723) |
| 8.2.4 | | Static routing |
| 8.2.5 | | IP |
| 8.2.6 | | TCP |
| 8.2.7 | | UDP |
| 8.2.8 | | Address Resolution Protocol ARP (RFC 826) |

| | | |
|-------|-----------------------|---|
| 8.3.1 | Addressing | Network Address Port Translation (NAPT) |
| 8.3.2 | | Network Address Translation (NAT)(RFC 3022) |
| 8.3.3 | | Domain Name Server Proxy (DNS) |
| 8.3.4 | | Dynamic Domain Name Server (DDNS) |
| 8.3.5 | | Dynamic Host Configuration Protocol DHCP- Server (RFC 2131). |
| 8.4 | NAT supporting | UPnP,Virtual Server,Port Trigger,SIP (RFC 3261, 3262), H.323, VPN passthrough |

WIRELESS SPECIFICATIONS

| | | |
|-------|---------------------------------|---|
| 9.1 | Standards | 802.11g, 802.11b |
| 9.2 | Frequency range | 2.400-2.4835GHz |
| 9.3 | Wireless signal rates | 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, & 1Mbps |
| 9.4 | Wireless operating range | Indoor up to100m, Outdoor up to 300m |
| 9.5.1 | Modulation technology | Differentially coherent Binary PSK(DBPSK) |
| 9.5.2 | | Differential Quadrature Phase Shift Keying(DQPSK) |
| 9.5.3 | | Orthogonal Frequency Division Multiplexing (OFDM) |
| 9.5.4 | | Complementary Code Keying (CCK) |
| 9.6.1 | Wireless security | Wired Equivalent Privacy(WEP), support 64/128/152 bit |
| 9.6.2 | | Wi-Fi Protected Access(WPA), support WPA/WPA-PSK WPA2/WPA2-PSK |
| 9.3.3 | | MAC Filtering |
| 9.7 | Wireless transmit power | 17dbm |
| 9.8 | Antenna type | Omni directional, Detachable, Reverse SMA |
| 9.6 | Antenna power | 3dbm |

INTERNATIONAL STANDARDS

| | | |
|--------|------------------|---------------------|
| 10.1.1 | Emissions | FCC part 15 class B |
| 10.1.2 | | EN 300 328 |
| 10.1.3 | | EN 301 489 |
| 10.1.4 | | EN 55022 |
| 10.1.5 | | EN55024 |
| 10.2 | Security | EN 60950 |

MINIMUM SYSTEM REQUIREMENTS

- ✧ Subscription with DSL Internet Service Provider
- ✧ Computer with a Network Interface Card

PACKAGE CONTENTS

- ✧ One TD-W8910G 54M Wireless ADSL2+ Router
- ✧ One DC power Adapter for TD-W8910G 54M Wireless ADSL2+ Router

- ✧ Quick Installation Guide
- ✧ One RJ45 cable
- ✧ Two RJ11 cables
- ✧ One ADSL splitter
- ✧ One Resource CD for TD-W8910G 54M Wireless ADSL2+ Router, including:
 - User Guide
 - Other Helpful Information

1. ADSL speeds may vary depending on your individual contract with or services offered by your Internet Service Provider (ISP) and the distance of the modem from the ISP's DSLAM.
2. Latest software and documentation are available at <http://www.tp-link.com>.
3. All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, actual product appearance may differ than that depicted herein.

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